Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.   (currently amended) A method for providing feedback regarding the quality of a communication channel which is transmitted between a transmitter and a receiver; the method comprising:

transmitting a control communication from said transmitter to said receiver, said control communication including information regarding the allocation of resources in a subsequent downlink data communication;

receiving at said receiver said control communication and awaiting said downlink data communication;

transmitting from said transmitter said downlink data communication over a downlink data channel;

receiving at said receiver said downlink data communication;

performing at said receiver at least one current quality measurement on said downlink data communication to determine the current quality of said downlink data channel;

deriving, based on said performing step, a predictive channel quality indication (CQI); and

transmitting said predictive CQI from said receiver to said transmitter; whereby said deriving step estimates the future quality of said downlink data channel to derive said CQI.

2.   (currently amended) The method of claim 1, further including storing said at least one current quality measurement.

3.   (currently amended) The method of claim 2, wherein said deriving step further includes retrieving at least one stored <u>quality</u> measurement and utilizing said at least one stored <u>quality</u> measurement and said at least one current <u>quality</u> measurement to derive said <u>predictive</u> CQI.

4.   (currently amended) The method of claim 1, further including storing said <u>predictive</u> CQI.

5.   (currently amended) The method of claim 1, wherein said deriving step utilizes a linear predictive algorithm to derive said <u>predictive</u> CQI.

6.   (canceled)

7.   (canceled)

8.   (currently amended) The method of claim 1, wherein said downlink <u>data</u> channel comprises a plurality of downlink <u>data</u> channels on which said <u>quality</u> measurements are performed.

9.   (canceled)

10.   (canceled)

11.   (canceled)

12.   (currently amended)   A method for providing channel quality

measurements on a downlink communication channel transmitted from a receiver to a transmitter; the method comprising:

monitoring said downlink communication channel at said receiver;

performing at least one current <u>quality</u> measurement on said downlink <u>data</u> communication channel <u>to determine the current quality of said downlink data channel</u>;

deriving<u>, based on said performing step,</u> ~~an indicator~~ <u>prediction</u> of the <u>future</u> quality of the downlink <u>data</u> communication channel; and

transmitting said ~~indicator~~ <u>prediction</u> to said transmitter[[;]]<u>.</u>

~~whereby said deriving step predicts the future quality of the downlink communication channel.~~

13. (currently amended) The method of claim 12, further including storing said at least one current <u>quality</u> measurement.

14. (currently amended) The method of claim 13, wherein said deriving step further includes retrieving at least one stored <u>quality</u> measurement and utilizing said at least one stored <u>quality</u> measurement and said at least one current <u>quality</u> measurement to derive said ~~CQI~~ <u>prediction</u>.

15. (currently amended) The method of claim 12, further including storing said ~~CQI~~ <u>prediction</u>.

16. (currently amended) The method of claim 12, wherein said deriving step utilizes a linear predictive algorithm to derive said ~~CQI~~ <u>prediction</u>.

17. (canceled)

18.   (canceled)

19.   (currently amended) The method of claim 12, wherein said downlink data communication channel comprises a plurality of downlink data channels on which said quality measurements are performed.

20.-31.   (canceled)

32.   (new) A method for providing feedback regarding the quality of a communication channel which is transmitted between a transmitter and a receiver; the method comprising:

transmitting a control communication from said transmitter to said receiver, said control communication including information regarding the allocation of resources in a subsequent downlink data communication;

receiving at said receiver said control communication and awaiting said downlink data communication;

transmitting from said transmitter said downlink data communication over a downlink data channel;

receiving at said receiver said downlink data communication;

transmitting from said transmitter a pilot channel communication over a pilot channel;

receiving at said receiver said pilot channel communication;

performing at said receiver at least one current quality measurement on said downlink data communication and said pilot channel communication to determine the current quality of said downlink data channel;

deriving, based on said performing step, a predictive channel quality

indication (CQI); and

transmitting said predictive CQI from said receiver to said transmitter; whereby said deriving step estimates the future quality of said downlink data channel to derive said CQI.

33.   (new) The method of claim 32, further including storing said at least one current quality measurement.

34.   (new) The method of claim 33, wherein said deriving step further includes retrieving at least one stored quality measurement and utilizing said at least one stored quality measurement and said at least one current quality measurement to derive said predictive CQI.

35.   (new)   The method of claim 32, further including storing said predictive CQI.

36.   (new) The method of claim 32, wherein said deriving step utilizes a linear predictive algorithm to derive said predictive CQI.

37.   (new) The method of claim 32, wherein said downlink data channel comprises a plurality of downlink data channels on which said quality measurements are performed.